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## EC Council Disaster Recovery

Course Duration: 5 days

**Overview:** In this course, students learn about the design, management, and implementation of network security in corporations and public networks, and service provision to public and private networks.

### Outline:

#### Lesson 1 - Introduction to Disaster Recovery and Business Continuity

Disaster Recovery & Business Continuity: Terminologies

Disaster Types

Consequences of Disaster

Principles of Disaster Recovery and Business Continuity

Disaster Recovery & Business Continuity: Issues Addressed

Activities of Disaster Recovery & Business Continuity

Disaster Recovery and Business Continuity Program

Disaster Recovery & Business Continuity Solutions

Best Practices in Disaster Recovery & Business Continuity Program

International Strategy for Disaster Reduction (ISDR)

International Day for Disaster Reduction

News The Secretary-General Message on the International Day for Disaster Reduction

#### Lesson 2 - Nature and Causes of Disasters

Nature of Disasters

Categorization of Disasters

#### Lesson 3 - Emergency Management

Emergency

Need for Emergency Management

Emergency Management Phases

Effect of Disaster on Business Organizations

FEMA—Federal Emergency Management Agency

#### Lesson 4 - Laws and Acts

Introduction

Applicable Acts in DR

Laws and Acts in United States of America

Laws and Acts of Europe

Dutch Personal Data Protection Act

Austrian Federal Act Concern the Protection of Personal Data

German Federal Data Protection Act

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Laws and Acts in Australia

**Lesson 5 - Business Continuity Management**

Business Continuity Planning  
Business Continuity Management Planning Steps  
ISO (International Organization for Standardization)  
Risk Analysis  
Risk Assessment  
Business Impact Analysis (BIA)  
Threat Analysis  
Crisis Management  
Contingency Planning  
Points to Remember in BCM Plan Testing

**Lesson 6 - Disaster Recovery Planning Process**

Management Support

**Lesson 7 - Risk Management**

What is Risk  
Introduction to Risk Management  
Functions of Risk Management  
Analytic Process of Risk Management  
Project Risk Management  
IT Security Risk Management  
Risk Management Standards  
Financial Risk Management  
Basel II and Risk Management  
Quantitative Risk Management  
Best Practices in Risk Management

**Lesson 8 - Facility Protection**

**Lesson 9 - Data Recovery**

Introduction—Data Recovery  
Types of Data Recovery  
Data-to-Disk-to Disaster Recovery (3DR) Concept  
Steps in Data Recovery  
Recovery Management  
Recovery Management Model Layers  
Data Protection Continuum  
Do's and Don'ts  
Lumigent's Log Explorer  
Best Practices in Data Recovery

**Lesson 10 - System Recovery**

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System Restore in Windows XP  
Linux System Recovery  
Macintosh System Recovery  
Restoring Windows Server 2003  
Recovering from Boot Problems in Windows 2003  
Microsoft Windows Recovery Console  
Automated System Recovery  
Windows 2000 Backup and Restore Utility  
Methods for Restoring Replicated Data  
Restoring Server Services  
Active Directory Recovery  
Verifying Active Directory Restoration  
Active Directory Recovery on a Computer with a Different Hardware Configuration  
Sysvol Recovery  
Recovery of Global Catalog Server  
Recovery of an Operations Master  
Domain Controller Recovery  
Database Integrity Testing  
Rights Management Services Restoration, Database Restoration  
Tools for Active Directory Disaster Recovery Recovery Manager  
Restoring IIS Configurations iisback.vbs  
Restoring Microsoft IIS Metabase Backup  
WANSync IIS  
Restoring Exchange Server 2003  
Data Recovery Scenarios  
Exchange Data Recovery Preparation  
Single Mailbox Recovery  
Single Item Recovery  
Full Server Recovery Preparation  
Exchange Server Backup/Recovery Solution  
Recovering Blackberry Enterprise Server  
IBM WebSphere Application Server Recovery  
Recovering Coldfusion Application Server  
Recovering from Domino Server Crashes  
Tool SteelEye LifeKeeper  
Restoring MySQL Server  
Recovering Cisco IOS

#### **Lesson 11 - Backup and Recovery**

Backup  
Need for Backup  
Types of Backup  
Hot Backup  
Cold Backup  
Backup Sites

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Redundant Array of Inexpensive Disks (RAID)  
Wide Area File Services (WAFS)  
Backup For UNIX  
Bare Metal Recovery for Linux  
Bucky Backup for Mac OS X  
System Backup Administrator  
NanoCopy Technology  
Backup4all  
ABC Backup Software  
Genie Backup Manager  
NTI BackupNow  
High Availability Disaster Recovery (HADR)  
Best Practices in Backup & Recovery

#### **Lesson 12 - Centralized and Decentralized System Recovery**

Distributed Computing  
Centralized Backup  
Tiers of Disaster Recovery  
GDPS/PPRC  
Best Practices in Centralized and Decentralized System Recovery

#### **Lesson 13 - System Recovery**

Digital Photo Recovery  
Active@ UNERASER  
Test Disk  
PhotoRec  
BadCopy Photo  
Directory Snoop  
Data Advisor  
Fast File Undelete  
File Scavenger  
GetDataBack  
Kernel Recovery for FAT+NTFS  
R-Mail  
R-Studio  
Recover4all  
Recovery It All  
Recovery My Files Data Recovery  
Quick Recovery for Windows  
Restorer2000  
File Recovery  
EasyRecovery  
RecoverSoft  
ADRC Data Recovery Software Tool  
SalvageRecovery for Windows

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Disk Doctors Email Recovery  
Winternals Recovery Manager

**Lesson 14 - Linux, Mac, and Novell Netware Data Recovery Tools**

Kernel Recovery  
Stellar Phoenix Linux  
R-Linux  
Quick Recovery  
SalvageRecovery  
Disk Doctors Linux Data Recovery Software  
DiskInternals Linux Reader

**Lesson 15 - Incident Response**

Incident  
Category of Incidents  
How to Identify an Incident  
How to Prevent an Incident  
Relationship Between Incident Response, Incident Handling, and Incident Management  
Incident Management Plan  
Incident Handling  
Information Security Life Cycle  
Incident Response  
Risk Analysis  
Incident Response Methodology  
CERT (Computer Emergency Response Team)  
CSIRT (Computer Security Incident Response Team)  
FIRST (Forum of Incident Response and Security Teams)  
Request Tracker for Incident Response  
Helix—Incident Response & Computer Forensics Live CD  
THE FARMER'S BOOT CD  
Resources

**Lesson 16 - Role of Public Services in Disaster**

Public Services

**Lesson 17 - Organizations Providing Services During Disasters**

**Lesson 18 - Organizations Providing Disaster Recovery Solutions**

Kernel Recovery  
Stellar Phoenix Linux  
R-Linux  
Quick Recovery  
Salvage Recovery

**Lesson 19 - Case Studies**

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